

Serial Number: 10/020,695CRF Processing Date: 1/15/2002Edited by: [Signature]
Verified by: [Signature] (STIC staff)**ENTERED**

#2

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
-
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
-
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
-
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
-
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
-
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
-
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:
-
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
-
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____
-
-
-



OIPE

RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/10/020,695

TIME: 16:55:53

Input Set : A:\pto.amc

Output Set: N:\CRF3\01152002\J020695.raw

1 <110> APPLICANT: KIM, Dong-Soo
 2 NAM, Yoon-Kwon
 3 NOH, Jae-Koo
 5 <120> TITLE OF INVENTION: EXPRESSION VECTOR CONTAINING LECTIN GENE REGULATION SITE OF
 MUD
 6 LOACH
 8 <130> FILE REFERENCE: PPBA0566
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/020,695
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 24 ccttcctccg gcgtacagga gggttcaccc tgtgttccac gtctccaata ttaaaccggt 180
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147 catctcctcc ataaatactc acatgactct ctgttcctcg ccagatgatc actttctgtt 720
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207 1 5
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217 agcaacattt aaagcactta tagacagaaa cataaaacta ataatgtgac tttatattac 2670
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220 His Arg Cys Pro His Gly Trp Thr
W--> 221 1 5
223 ccc ttt ggt gtg caa tgc tac aaa ttc ttc tct cag tca gtt gac tgg 2766
224 Pro Phe Gly Val Gln Cys Tyr Lys Phe Phe Ser Gln Ser Val Asp Trp
W--> 225 10 15 20
227 atc aca gct gag gt actgttattc agttattcaa attgttgaat aagaatactc 2820
228 Ile Thr Ala Glu
W--> 229 25
231 aatgtcatga tccaagctga aacagattag attttatatt tgcaataaaa taatctctct 2880
233 ctcttttag aaa aac tgt caa tct att gat gct aat ctt gca tct gtg cgc 2930
W--> 234 Lys Asn Cys Gln Ser Ile Asp Ala Asn Leu Ala Ser Val Arg
W--> 235 1 5 10
237 agt aca atg gaa cac aac ttt ctc ctg agt ctg att gtg tct gct aac 2978
238 Ser Thr Met Glu His Asn Phe Leu Leu Ser Leu Ile Val Ser Ala Asn
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Input Set : A:\pto.amc

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      249 aaatgaaaag attattagta aactctttga ctctcctcac tcattag gaa gga caa 3206
      250                                     Glu Gly Gln
W--> 251                                     1
      253 tgg ctg tgg tct gat gga tct caa ttt cac ttt acc aac tgg tgc cct 3254
      254 Trp Leu Trp Ser Asp Gly Ser Gln Phe His Phe Thr Asn Trp Cys Pro
W--> 255          5          10          15
      257 gga gaa cct agc aat aat ttt ggt aaa gag aac tgc ctg gag ata aac 3302
      258 Gly Glu Pro Ser Asn Asn Phe Gly Lys Glu Asn Cys Leu Glu Ile Asn
W--> 259 20          25          30          35
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      262 Phe Thr Arg
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392 catgcaatga tgacgaaggt gtccgagctc tctcagcgtt cctctcatcc ttcgctccc 7120
394 actgcgccac ccacaccgcc cgcaccatct tctctccaa ggggtggttt tctccggag 7180
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400 <211> LENGTH: 21

401 <212> TYPE: PRT

402 <213> ORGANISM: Misgurnus mizolepis

404 <400> SEQUENCE: 3

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408 Glu Ser Ala Pro Gly

409 20

412 <210> SEQ ID NO: 4

413 <211> LENGTH: 28

414 <212> TYPE: PRT

415 <213> ORGANISM: Misgurnus mizolepis

417 <400> SEQUENCE: 4

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:221 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:225 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:229 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:234 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 2
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L:239 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:243 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:251 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:255 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:259 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:284 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:288 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/020,695

DATE: 01/10/2002

TIME: 15:54:13

Input Set : A:\ES.txt

Output Set: N:\CRF3\01102002\J020695.raw

**Does Not Comply
Corrected Diskette Needed**

1 <110> APPLICANT: KIM, Dong-Soo
 2 NAM, Yoon-Kwon
 3 NOH, Jae-Koo
 5 <120> TITLE OF INVENTION: EXPRESSION VECTOR CONTAINING LECTIN GENE REGULATION SITE OF
 MUD
 6 LOACH
 8 <130> FILE REFERENCE: PPBA0566
 10 <140> CURRENT APPLICATION NUMBER: US/10/020,695
 10 <141> CURRENT FILING DATE: 2001-12-12
 10 <160> NUMBER OF SEQ ID NOS: 18
 12 <170> SOFTWARE: KopatentIn 1.71

ERRORED SEQUENCES

602 <210> SEQ ID NO: 18
 603 <211> LENGTH: 23
 604 <212> TYPE: DNA
 605 <213> ORGANISM: Artificial Sequence
 607 <220> FEATURE:
 608 <223> OTHER INFORMATION: primer for detecting a growth hormone gene of a carp
 611 <400> SEQUENCE: 18
 612 acaacacctg caccagctgg ctg 23
 E--> 615 (1)

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/020,695

DATE: 01/10/2002

TIME: 15:54:14

Input Set : A:\ES.txt

Output Set: N:\CRF3\01102002\J020695.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:221 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:225 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:229 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:234 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 2
L:235 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:239 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:243 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:251 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:255 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:259 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:284 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:288 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:615 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:23 SEQ:18